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Novel polycaprolactone-tricalcium phosphate (PCL-TCP) scaffolds customized for reconstruction of dentoalveolar deformities

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STELLINGEN
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NOVEL POLYCAPROLACTONE-TRICALCIUM PHOSPHATE
(PCL-TCP) SCAFFOLDS CUSTOMIZED FOR RECONSTRUCTION OF
DENTOALVEOLAR DEFORMITIES

Alvin Boon Keng Yeo
Groningen, 24 maart 2010

1. The rate of bone formation is dependent on the degradation rates of the bone grafting materials utilized. (*This thesis*)
2. Throughout the phases of degradation, PCL-TCP scaffolds maintained their pore interconnectivity as they became more porous. (*This thesis*)
3. Selective modification using sodium hydroxide demonstrates a simple approach for tailoring the physical properties and degradation rate of PCL-TCP scaffolds. (*This thesis*)
4. Pretreatment of PCL-TCP scaffolds with sodium hydroxide increases the hydrophilicity and overall surface area for initial matrix deposition and early bone ingrowth. (*This thesis*)
5. During the early phases of healing, greater bone formation and superior mechanical properties can be expected from PCL-TCP scaffolds with increased surface roughness. (*This thesis*)
6. Laughter is the best medicine. (*Author Unknown*)
7. Our greatest glory is not in never falling but in rising every time we fall. (*Confucius*)
8. People with goals succeed because they know where they are going. (*Earl Nightingale*)
9. Genius is one percent inspiration and ninety-nine percent perspiration. (*Thomas Edison*)
10. With great power come great responsibilities. (*Ben Parker*)

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